



THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
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ACCOUNT NO. 23-0975.

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8/187  
P. White  
1-6-92

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE **RECEIVED**

DEC 21 1992

In re application of

Edwin SOUTHERN

Serial No. 07/695,682

Filed May 3, 1991

ANALYSING POLYNUCLEOTIDE  
SEQUENCES

Group Art Unit 1807

Examiner A. Marschel

GROUP 1800

RESPONSE

Honorable Commissioner of Patents and Trademarks

Washington, D.C.

Sir:

In response to the Official Action dated August 12, 1992,  
the period for response having been extended for 1 month by the  
attached Petition, please amend the present application as  
follows:

IN THE SPECIFICATION

✓ Rewrite the title as --APPARATUS AND METHOD FOR ANALYZING  
POLYNUCLEOTIDE SEQUENCES--.

✓ IN THE ABSTRACT OF THE DISCLOSURE

Rewrite as per the attached separate page.

IN THE CLAIMS

Claim 1, line 1, change "analysing" to --analyzing--;

✓ line 3, before "the" insert --oligonucleotides  
comprising--;

— last line, change "hybridisation" to --  
hybridization--.

2. (Amended) Apparatus for studying differences between  
polynucleotide sequences, comprising a support and attached to a  
surface thereof an array of oligonucleotides comprising the whole  
or a chosen part of a complete set of oligonucleotides of chosen  
lengths [comprising] corresponding to the polynucleotide  
sequences, the [diferent] different oligonucleotides occupying  
separate cells of the array and being capable of taking part in

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